

10520136claim2

result in loss of user privileges and other penalties.

FILE 'HOME' ENTERED AT 11:12:25 ON 18 APR 2007

=> fil rég

COST IN U.S. DOLLARS  
FULL ESTIMATED COST

SINCE FILE ENTRY	TOTAL SESSION
0.21	0.21

FILE 'REGISTRY' ENTERED AT 11:12:31 ON 18 APR 2007  
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STRUCTURE FILE UPDATES: 16 APR 2007 HIGHEST RN 930395-50-9  
DICTIONARY FILE UPDATES: 16 APR 2007 HIGHEST RN 930395-50-9

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**TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006**

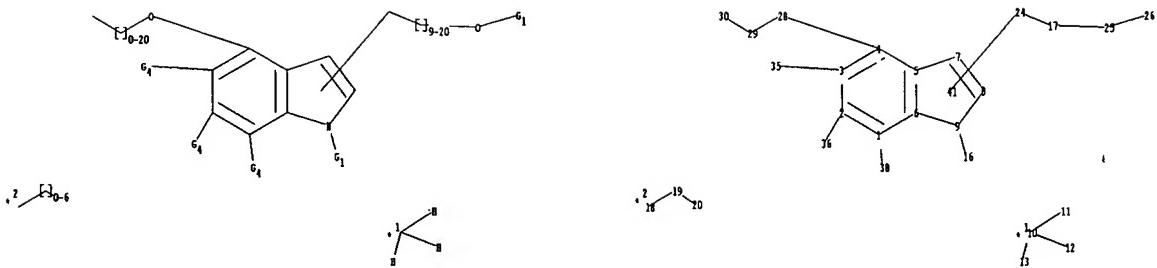
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>  
Uploading C:\Program Files\Stnexp\Queries\c10520136clm2.str

Karen Cheng



chain nodes :

10 11 12 13 16 17 18 19 20 24 25 26 28 29 30 35 36 38

ring nodes :

1 2 3 4 5 6 7 8 9

chain bonds :

1-38 2-36 3-35 4-28 9-16 10-11 10-12 10-13 17-24 17-25 18-19 19-20  
25-26 28-29 29-30

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9

exact/norm bonds :

1-38 2-36 3-35 4-28 5-7 6-9 7-8 8-9 9-16 17-25 25-26 28-29

exact bonds :

10-11 10-12 10-13 17-24 18-19 19-20 29-30

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

isolated ring systems :

containing 1 :

G1:H, [\*1]

G3:H

G4:H, [\*2]

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS  
11:CLASS 12:CLASS 13:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS 20:CLASS  
24:CLASS 25:CLASS 26:CLASS 28:CLASS 29:CLASS 30:CLASS 35:CLASS 36:CLASS  
38:CLASS 41:CLASS

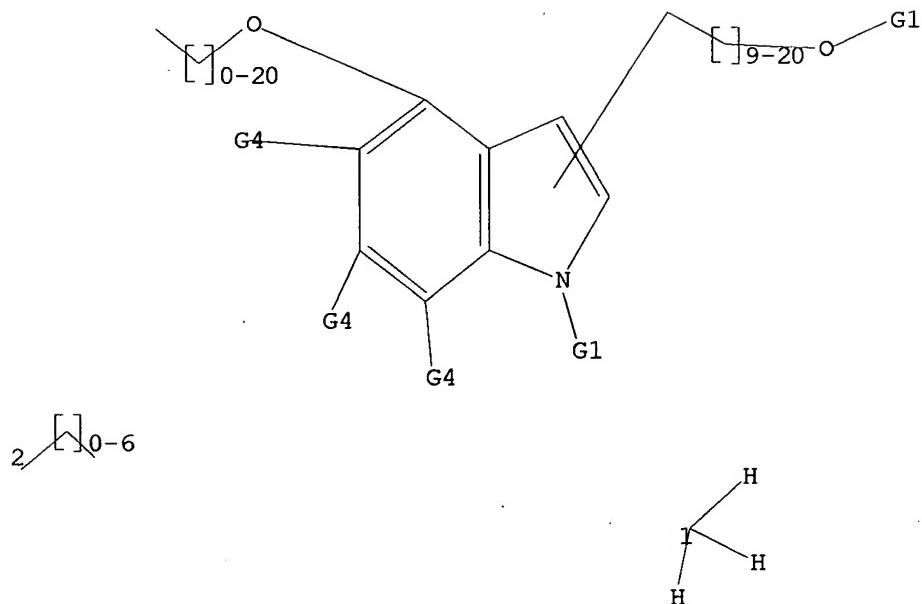
10520136claim2

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



G1 H,[@1]

G2

G3 H

G4 H,[@2]

Structure attributes must be viewed using STN Express query preparation.

=> s l1 full

FULL SEARCH INITIATED 11:12:47 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 4736 TO ITERATE

100.0% PROCESSED 4736 ITERATIONS

7 ANSWERS

SEARCH TIME: 00.00.01

L2 7 SEA SSS FUL L1

=> fil caplus

COST IN U.S. DOLLARS

SINCE FILE

ENTRY

TOTAL

SESSION

FULL ESTIMATED COST

172.10

172.31

FILE 'CAPLUS' ENTERED AT 11:12:53 ON 18 APR 2007

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FILE COVERS 1907 - 18 Apr 2007 VOL 146 ISS 17  
FILE LAST UPDATED: 16 Apr 2007 (20070416/ED)

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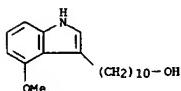
=> s 12  
L3                2 L2

=> d ibib abs hitstr tot

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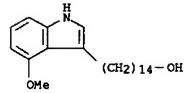
L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2004:890657 CAPLUS  
 DOCUMENT NUMBER: 142:74411  
 TITLE: Effects of Indole Fatty Alcohols on the Differentiation of Neural Stem Cell Derived Neurospheres  
 AUTHOR(S): Coowar, Djalil; Bouissac, Julien; Hanbali, Mazen; Paschaki, Marie; Mohier, Eliane; Luu, Bang  
 CORPORATE SOURCE: Laboratoire de Chimie Organique des Substances Naturelles, UMR 7123 CNRS, and Neurotransmission et Secretion Neuroendocrine, UPR 2356 CNRS, Université Louis Pasteur, Strasbourg, 67084, Fr.  
 SOURCE: Journal of Medicinal Chemistry (2004), 47(25), 6270-6282  
 CODEN: JMCHAR ISSN: 0022-2623  
 PUBLISHER: American Chemical Society  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 142:74411  
 AB In a search for inducers of neuronal differentiation to treat neurodegenerative diseases such as Alzheimer's disease, a series of indole fatty alcs. (IFAs) were prepared. Thus, 5-methoxy-1H-indole-3-octadecanol was able to promote the differentiation of neural stem cell derived neurospheres into neurons at a concentration of 10 nM. Anal. of the expression of the Notch pathway genes in neurospheres treated during the differentiation phase with 5-methoxy-1H-indole-3-octadecanol revealed a significant decrease in the transcription of the Notch 4 receptor.  
 IT 651331-27-0P 651331-28-1P 651331-35-0P  
 651331-37-2P  
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
 (preparation of (methoxy)indole fatty alc. and study of its activity toward promotion of differentiation of neural stem cell-derived neurospheres into neurons)  
 RN 651331-27-0 CAPLUS  
 CN 1H-Indole-3-decanol, 4-methoxy- (9CI) (CA INDEX NAME)



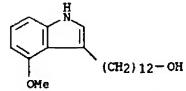
RN 651331-28-1 CAPLUS  
 CN 1H-Indole-3-tetradecanol, 4-methoxy- (9CI) (CA INDEX NAME)

L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

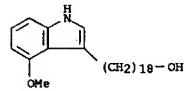
L3 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



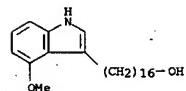
RN 651331-35-0 CAPLUS  
 CN 1H-Indole-3-dodecanol, 4-methoxy- (9CI) (CA INDEX NAME)



RN 651331-37-2 CAPLUS  
 CN 1H-Indole-3-octadecanol, 4-methoxy- (9CI) (CA INDEX NAME)



IT 651331-36-1P  
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
 (preparation of (methoxy)indole fatty alc. and study of its activity toward promotion of differentiation of neural stem cell-derived neurospheres into neurons and study of its activity as radical scavenger)  
 RN 651331-36-1 CAPLUS  
 CN 1H-Indole-3-hexadecanol, 4-methoxy- (9CI) (CA INDEX NAME)



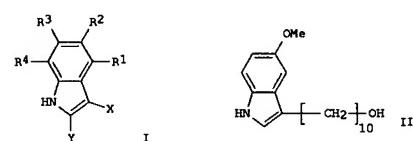
REFERENCE COUNT: 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2004:80647 CAPLUS  
 DOCUMENT NUMBER: 140:145999  
 TITLE: Preparation of indole derivatives as stem cell differentiation promoters  
 INVENTOR(S): Luu, Bang; Coowar, Djalil; Mohier, Ellane; Yamada, Masashi; Suma, Yukie; Suzuki, Hiroto  
 PATENT ASSIGNEE(S): Meiji Dairies Corporation, Japan  
 SOURCE: PCT Int. Appl., 53 pp.  
 CODEN: PIXDZ2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004009545	A1	20040129	WO 2003-JP9244	20030722
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SI, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MO, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2490878	A1	20040129	CA 2003-2490878	20030722
AU 2003248091	A1	20040209	AU 2003-248091	20030722
EP 1533299	A1	20050525	EP 2003-765343	20030722
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CN 1668587	A	20050914	CN 2003-817193	20030722
US 2005261357	A1	20051124	US 2005-520136	20050103
PRIORITY APPLN. INFO.:			JP 2002-211327	A 20020719
OTHER SOURCE(S):	MARPAT 140:145999		WO 2003-JP9244	W 20030722

GI

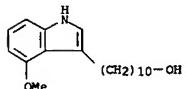


AB The title indole derivs. with general formula of I (wherein R1-R4 = independently alkoxy, H, alkyl, acetyl, or OH; X and Y = independently (CH<sub>2</sub>)<sub>n</sub>OH or H; n = 0-30) are prepared as stem cell differentiation promoters, and are useful for the treatment of neuropathy (no data). For example, the compound II was prepared in a multi-step synthesis. I promoted

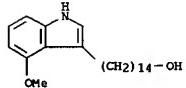
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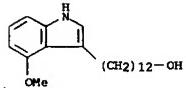
L3 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
stem cell differentiation in rat.  
IT 651331-27-0P 651331-28-1P 651331-35-0P  
651331-36-1P 651331-37-2P 651331-43-0P  
651331-44-1P  
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(drug candidate; preparation of indole derivs. as stem cell differentiation promoters)  
RN 651331-27-0 CAPLUS  
CN 1H-Indole-3-decanol, 4-methoxy- (9CI) (CA INDEX NAME)



RN 651331-28-1 CAPLUS  
CN 1H-Indole-3-tetradecanol, 4-methoxy- (9CI) (CA INDEX NAME)

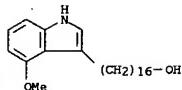


RN 651331-35-0 CAPLUS  
CN 1H-Indole-3-dodecanol, 4-methoxy- (9CI) (CA INDEX NAME)

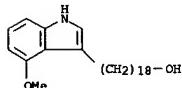


RN 651331-36-1 CAPLUS  
CN 1H-Indole-3-hexadecanol, 4-methoxy- (9CI) (CA INDEX NAME)

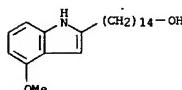
L3 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



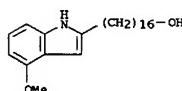
RN 651331-37-2 CAPLUS  
CN 1H-Indole-3-octadecanol, 4-methoxy- (9CI) (CA INDEX NAME)



RN 651331-43-0 CAPLUS  
CN 1H-Indole-2-tetradecanol, 4-methoxy- (9CI) (CA INDEX NAME)



RN 651331-44-1 CAPLUS  
CN 1H-Indole-2-hexadecanol, 4-methoxy- (9CI) (CA INDEX NAME)



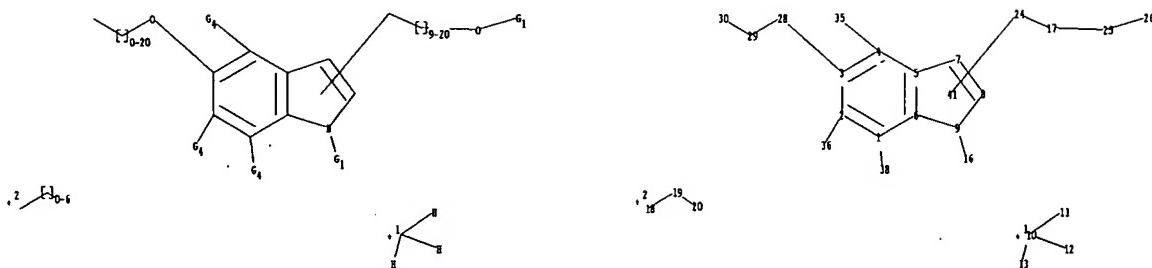
REFERENCE COUNT: 78 THERE ARE 78 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

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=>

Uploading C:\Program Files\Stnexp\Queries\d10520136clm2.str



chain nodes :

10 11 12 13 16 17 18 19 20 24 25 26 28 29 30 35 36 38

ring nodes :

1 2 3 4 5 6 7 8 9

chain bonds :

1-38 2-36 3-28 4-35 9-16 10-11 10-12 10-13 17-24 17-25 18-19 19-20  
25-26 28-29 29-30

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9

exact/norm bonds :

1-38 2-36 3-28 4-35 5-7 6-9 7-8 8-9 9-16 17-25 25-26 28-29

exact bonds :

10-11 10-12 10-13 17-24 18-19 19-20 29-30

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

isolated ring systems :

containing 1 :

G1:H, [\*1]

G3:H

G4:H, [\*2]

Match level :

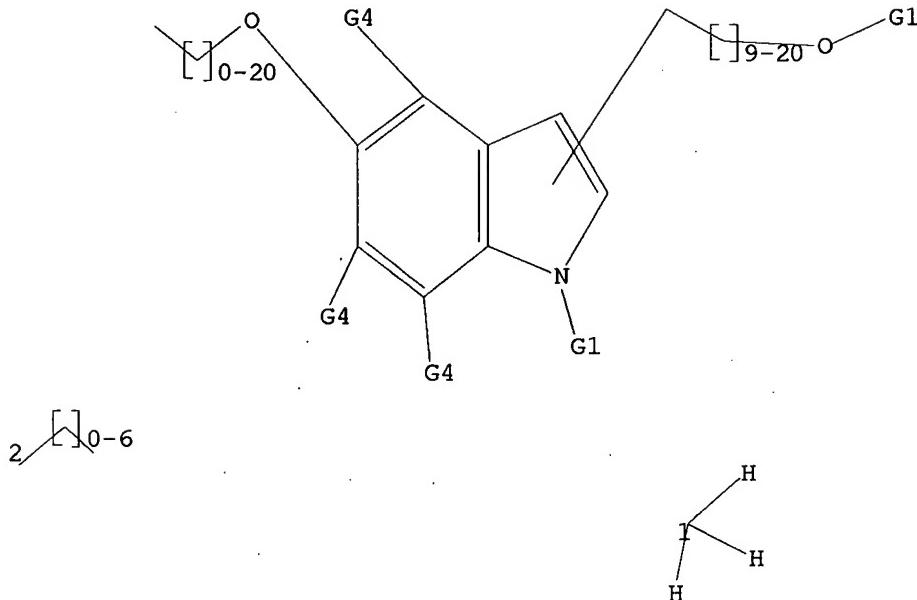
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS  
11:CLASS 12:CLASS 13:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS 20:CLASS  
24:CLASS 25:CLASS 26:CLASS 28:CLASS 29:CLASS 30:CLASS 35:CLASS 36:CLASS  
38:CLASS 41:CLASS

Karen Cheng

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L4 STRUCTURE UPLOADED

=> d  
L4 HAS NO ANSWERS  
L4 STR



G1 H, [@1]  
G2  
G3 H  
G4 H, [@2]

Structure attributes must be viewed using STN Express query preparation.

=> s l4 full  
REGISTRY INITIATED  
Substance data SEARCH and crossover from CAS REGISTRY in progress...  
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

FULL SEARCH INITIATED 11:13:38 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 7562 TO ITERATE

100.0% PROCESSED 7562 ITERATIONS  
SEARCH TIME: 00.00.01

7 ANSWERS

Karen Cheng

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L5 7 SEA SSS FUL L4

L6 2 L5

=> fil reg			
COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION	
FULL ESTIMATED COST	0.47	355.89	
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION	
CA SUBSCRIBER PRICE	0.00	-1.56	

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STRUCTURE FILE UPDATES: 16 APR 2007 HIGHEST RN 930395-50-9  
DICTIONARY FILE UPDATES: 16 APR 2007 HIGHEST RN 930395-50-9

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TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

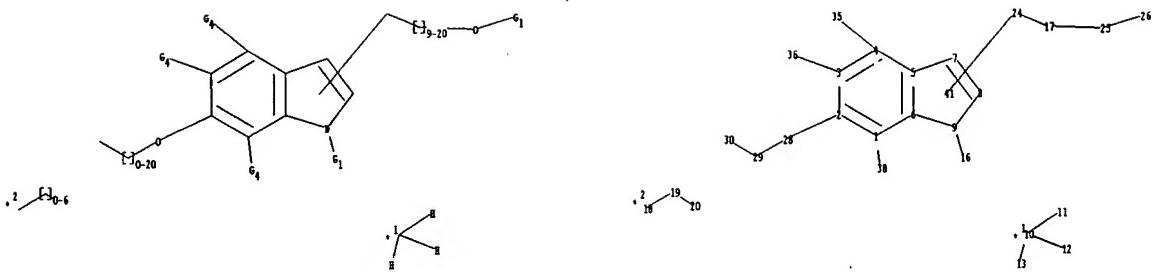
Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>  
Uploading C:\Program Files\Stnexp\Queries\e10520136clm2.str

Karen Cheng



chain nodes :

10 11 12 13 16 17 18 19 20 24 25 26 28 29 30 35 36 38

ring nodes :

1 2 3 4 5 6 7 8 9

chain bonds :

1-38 2-28 3-36 4-35 9-16 10-11 10-12 10-13 17-24 17-25 18-19 19-20  
25-26 28-29 29-30

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9

exact/norm bonds :

1-38 2-28 3-36 4-35 5-7 6-9 7-8 8-9 9-16 17-25 25-26 28-29

exact bonds :

10-11 10-12 10-13 17-24 18-19 19-20 29-30

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

isolated ring systems :

containing 1 :

G1:H, [\*1]

G3:H

G4:H, [\*2]

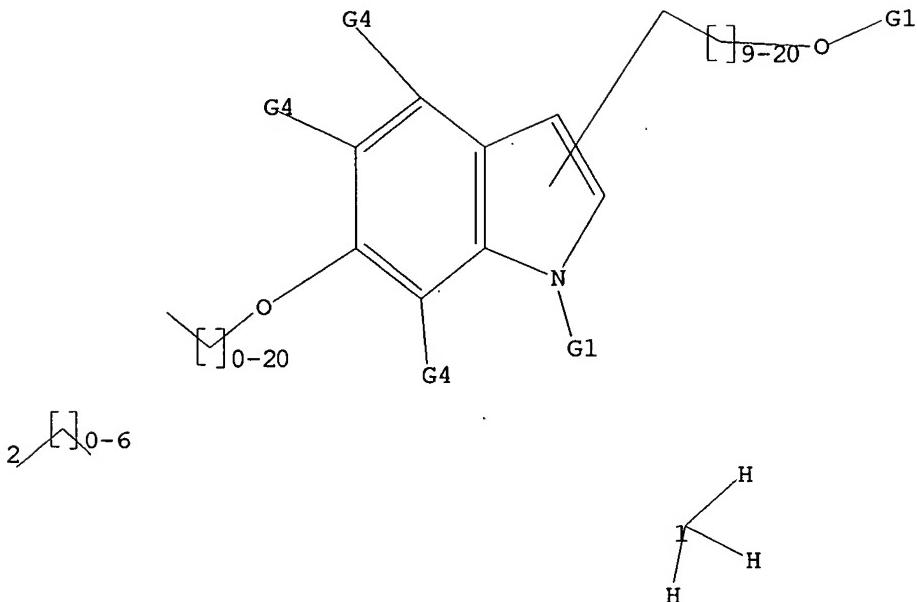
Match level :

1:Atom	2:Atom	3:Atom	4:Atom	5:Atom	6:Atom	7:Atom	8:Atom	9:Atom	10:CLASS
11:CLASS	12:CLASS	13:CLASS	16:CLASS	17:CLASS	18:CLASS	19:CLASS	20:CLASS		
24:CLASS	25:CLASS	26:CLASS	28:CLASS	29:CLASS	30:CLASS	35:CLASS	36:CLASS		
38:CLASS	41:CLASS								

10520136claim2

## L7 STRUCTURE UPLOADED

=> d  
L7 HAS NO ANSWERS  
L7 STR



G1 H,[@1]  
G2  
G3 H  
G4 H,[@2]

Structure attributes must be viewed using STN Express query preparation.

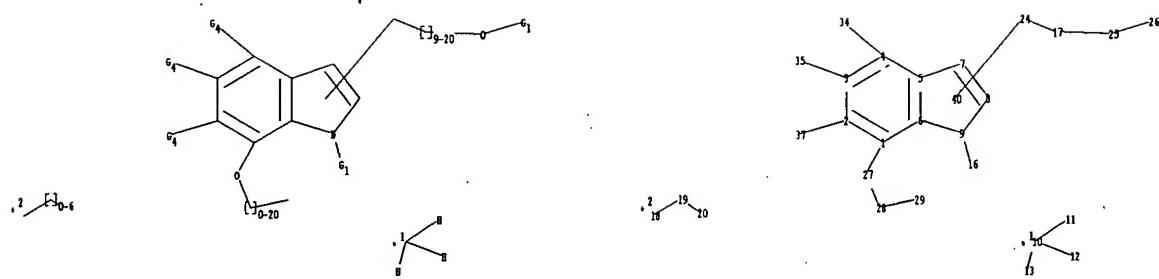
```
=> s 17 full
FULL SEARCH INITIATED 11:15:28 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      5605 TO ITERATE

100.0% PROCESSED      5605 ITERATIONS
SEARCH TIME: 00.00.01
```

L8 5 SEA SSS FUL L7

5 ANSWERS

=>



chain nodes :

10 11 12 13 16 17 18 19 20 24 25 26 27 28 29 34 35 37

ring nodes :

1 2 3 4 5 6 7 8 9

chain bonds :

1-27 2-37 3-35 4-34 9-16 10-11 10-12 10-13 17-24 17-25 18-19 19-20  
25-26 27-28 28-29

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9

exact/norm bonds :

1-27 2-37 3-35 4-34 5-7 6-9 7-8 8-9 9-16 17-25 25-26 27-28

exact bonds :

10-11 10-12 10-13 17-24 18-19 19-20 28-29

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

isolated ring systems :

containing 1 :

G1:H, [\*1]

G4:H, [\*2]

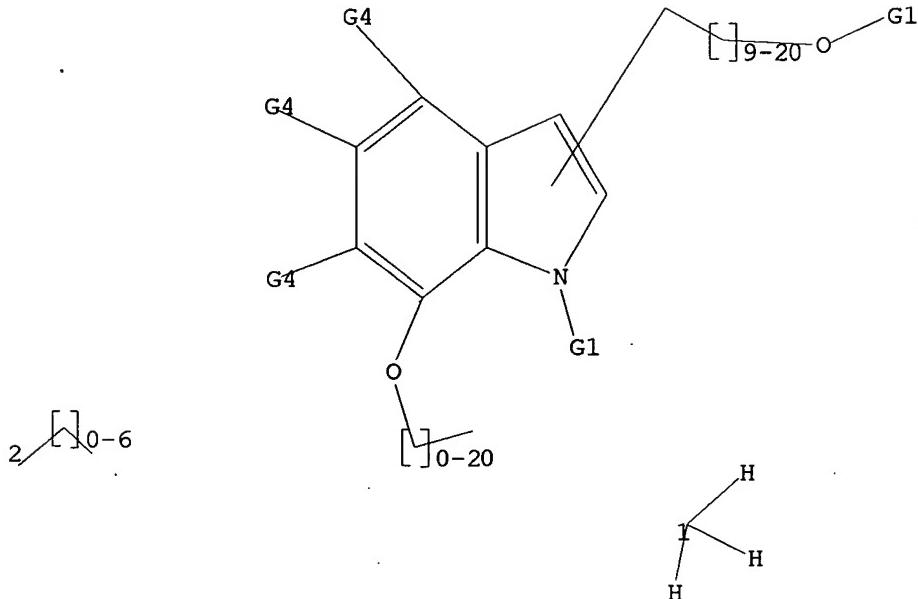
Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS  
11:CLASS 12:CLASS 13:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS 20:CLASS  
24:CLASS 25:CLASS 26:CLASS 27:CLASS 28:CLASS 29:CLASS 34:CLASS 35:CLASS  
37:CLASS 40:CLASS

10520136claim2

L9 STRUCTURE UPLOADED

=> d  
L9 HAS NO ANSWERS  
L9 STR



G1 H, [@1]  
G2  
G3  
G4 H, [@2]

Structure attributes must be viewed using STN Express query preparation.

=> s 19 full  
FULL SEARCH INITIATED 11:15:50 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 1370 TO ITERATE

100.0% PROCESSED 1370 ITERATIONS 3 ANSWERS  
SEARCH TIME: 00.00.01

L10 3 SEA SSS FUL L9

=> fil caplus  
COST IN U.S. DOLLARS SINCE FILE TOTAL  
ENTRY SESSION  
FULL ESTIMATED COST 345.10 700.99  
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL  
ENTRY SESSION  
CA SUBSCRIBER PRICE 0.00 -1.56

Karen Cheng

10520136claim2

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<http://www.cas.org/infopolicy.html>

=> d his

(FILE 'HOME' ENTERED AT 11:12:25 ON 18 APR 2007)

FILE 'REGISTRY' ENTERED AT 11:12:31 ON 18 APR 2007

L1 STRUCTURE uploaded  
L2 7 S L1 FULL

FILE 'CAPLUS' ENTERED AT 11:12:53 ON 18 APR 2007

L3 2 S L2  
L4 STRUCTURE uploaded  
S L4

FILE 'REGISTRY' ENTERED AT 11:13:37 ON 18 APR 2007

L5 7 S L4 FULL

FILE 'CAPLUS' ENTERED AT 11:13:38 ON 18 APR 2007

L6 2 S L5 FULL

FILE 'REGISTRY' ENTERED AT 11:13:45 ON 18 APR 2007

L7 STRUCTURE uploaded  
L8 5 S L7 FULL  
L9 STRUCTURE uploaded  
L10 3 S L9 FULL

FILE 'CAPLUS' ENTERED AT 11:15:53 ON 18 APR 2007

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2 L10  
L11 2 L8 OR L10

Karen Cheng

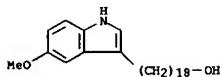
10520136claim2

=> s (l3 or l6 or l11)  
L12                2 (L3 OR L6 OR L11)

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## 10520136claim2

L12 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2004:890657 CAPLUS  
 DOCUMENT NUMBER: 142:74411  
 TITLE: Effects of Indole Fatty Alcohols on the Differentiation of Neural Stem Cell Derived Neurospheres  
 AUTHOR(S): Coowar, Djamil; Bouissac, Julien; Hanbali, Mazen; Paschaki, Marie; Mohier, Eliane; Luu, Bang  
 CORPORATE SOURCE: Laboratoire de Chimie Organique des Substances Naturelles, UMR 7123 CNRS, and Neurotransmission et Secretion Neuroendocrine, UPR 2356 CNRS, Université Louis Pasteur, Strasbourg, 67084, Fr.  
 SOURCE: Journal of Medicinal Chemistry (2004), 47(25), 6270-6282  
 PUBLISHER: JMCMAR; ISSN: 0022-2623  
 DOCUMENT TYPE: American Chemical Society  
 LANGUAGE: English  
 OTHER SOURCE(S): CASREACT 142:74411  
 AB In a search for inducers of neuronal differentiation to treat neurodegenerative diseases such as Alzheimer's disease, a series of indole fatty alcs. (IFAs) were prepared. Thus, 5-methoxy-1H-indole-3-octadecanol was able to promote the differentiation of neural stem cell derived neurospheres into neurons at a concentration of 10 nM. Anal. of the expression of the Notch pathway genes in neurospheres treated during the differentiation phase with 5-methoxy-1H-indole-3-octadecanol revealed a significant decrease in the transcription of the Notch 4 receptor.  
 IT 651331-34-9P  
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
 (preparation of (methoxy)-1H-indole-3-octadecanol and study of its activity toward promotion of differentiation of neural stem cell-derived neurospheres into neurons)  
 RN 651331-34-9 CAPLUS  
 CN 1H-Indole-3-octadecanol, 5-methoxy- (9CI) (CA INDEX NAME)



IT 812653-17-1P  
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
 (preparation of (methoxy)indole fatty alc. and study of its activity as radical scavenger toward azinobis[(ethyl)dihydrobenzothiazolesulfonic acid])  
 RN 812653-17-1 CAPLUS  
 CN 1H-Indole-3-hexadecanol, 7-methoxy- (9CI) (CA INDEX NAME)

## L12 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

MeO  
  
 RN 651331-31-6 CAPLUS  
 CN 1H-Indole-3-dodecanol, 5-methoxy- (9CI) (CA INDEX NAME)

MeO  
  
 RN 651331-32-7 CAPLUS  
 CN 1H-Indole-3-tetradecanol, 5-methoxy- (9CI) (CA INDEX NAME)

MeO  
  
 RN 651331-35-0 CAPLUS  
 CN 1H-Indole-3-dodecanol, 4-methoxy- (9CI) (CA INDEX NAME)

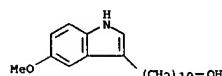
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 RN 651331-37-2 CAPLUS  
 CN 1H-Indole-3-octadecanol, 4-methoxy- (9CI) (CA INDEX NAME)

MeO  
  
 RN 651331-38-3 CAPLUS  
 CN 1H-Indole-3-dodecanol, 6-methoxy- (9CI) (CA INDEX NAME)

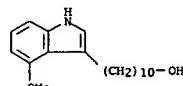
## L12 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

Ome  
  
 (CH<sub>2</sub>)16-OH

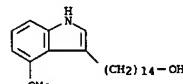
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 651331-30-5P 651331-31-6P 651331-32-7P  
 651331-35-0P 651331-37-2P 651331-38-3P  
 651331-39-4P 812653-16-0P  
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
 (preparation of (methoxy)indole alc. and study of its activity toward promotion of differentiation of neural stem cell-derived neurospheres into neurons)  
 RN 651331-26-9 CAPLUS  
 CN 1H-Indole-3-decanol, 5-methoxy- (9CI) (CA INDEX NAME)



RN 651331-27-0 CAPLUS  
 CN 1H-Indole-3-decanol, 4-methoxy- (9CI) (CA INDEX NAME)



RN 651331-28-1 CAPLUS  
 CN 1H-Indole-3-tetradecanol, 4-methoxy- (9CI) (CA INDEX NAME)

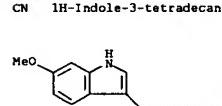


RN 651331-30-5 CAPLUS  
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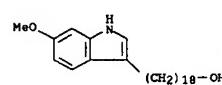
## L12 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

MeO  
  
 (CH<sub>2</sub>)12-OH

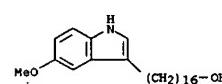
RN 651331-39-4 CAPLUS  
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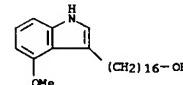
RN 812653-16-0 CAPLUS  
 CN 1H-Indole-3-octadecanol, 6-methoxy- (9CI) (CA INDEX NAME)



IT 651331-33-8P 651331-36-1P 651331-40-7P  
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)  
 (preparation of (methoxy)indole fatty alc. and study of its activity toward promotion of differentiation of neural stem cell-derived neurospheres into neurons and study of its activity as radical scavenger)  
 RN 651331-33-8 CAPLUS  
 CN 1H-Indole-3-hexadecanol, 5-methoxy- (9CI) (CA INDEX NAME)



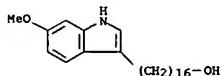
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 CN 1H-Indole-3-hexadecanol, 4-methoxy- (9CI) (CA INDEX NAME)



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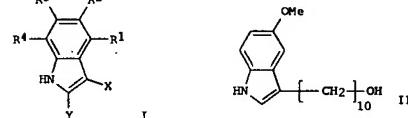
L12 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
 RN 651331-40-7 CAPLUS  
 CN 1H-Indole-3-hexadecanol, 6-methoxy- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN  
 ACCESSION NUMBER: 2004:80647 CAPLUS  
 DOCUMENT NUMBER: 140:145999  
 TITLE: Preparation of indole derivatives as stem cell differentiation promoters  
 INVENTOR(S): Luu, Bang; Coowar, Djaili; Mohier, Ellane; Yamada, Masashi; Suma, Yukie; Suzuki, Hiroto  
 PATENT ASSIGNEE(S): Meiji Dairies Corporation, Japan  
 SOURCE: PCT Int. Appl., 53 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004009545	A1	20040129	WO 2003-JP9244	20030722
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SI, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZN, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BE, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2490878	A1	20040129	CA 2003-2490878	20030722
AU 2003248091	A1	20040209	AU 2003-248091	20030722
EP 1533299	A1	20050525	EP 2003-765343	20030722
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CN 1668587	A	20050914	CN 2003-817193	20030722
US 2005261357	A1	20051124	US 2005-520136	20050103
PRIORITY APPLN. INFO.:			JP 2002-211327	A 20020719
			WO 2003-JP9244	W 20030722
OTHER SOURCE(S):			MARPAT 140:145999	
GI				



AB The title indole derivs. with general formula of I [wherein R1-R4 =

L12 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
 independently alkoxyl, H, alkyl, acetyl, or OH; X and Y = independently (CH<sub>2</sub>)<sub>n</sub>OH or H; n = 0-30] are prepd. as stem cell differentiation promoters, and are useful for the treatment of neuropathy (no data). For example, the compd. II was prepd. in a multi-step synthesis. I promoted stem cell differentiation in rat.

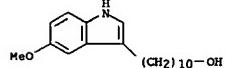
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 651331-30-5P 651331-31-6P 651331-32-7P  
 651331-33-8P 651331-34-9P 651331-35-0P  
 651331-36-1P 651331-37-2P 651331-38-3P  
 651331-39-4P 651331-40-7P 651331-41-8P  
 651331-42-9P 651331-43-0P 651331-44-1P  
 651331-45-2P 651331-46-3P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

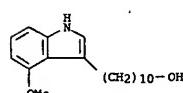
(drug candidate; preparation of indole derivs. as stem cell differentiation promoters)

RN 651331-26-9 CAPLUS

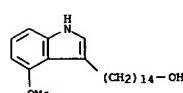
CN 1H-Indole-3-decanol, 5-methoxy- (9CI) (CA INDEX NAME)



RN 651331-27-0 CAPLUS  
 CN 1H-Indole-3-decanol, 4-methoxy- (9CI) (CA INDEX NAME)

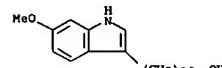


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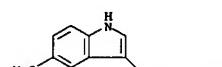


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 CN 1H-Indole-3-decanol, 6-methoxy- (9CI) (CA INDEX NAME)

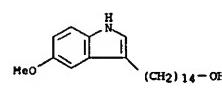
L12 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



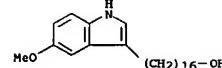
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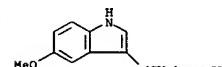
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RN 651331-33-8 CAPLUS  
 CN 1H-Indole-3-hexadecanol, 5-methoxy- (9CI) (CA INDEX NAME)



RN 651331-34-9 CAPLUS  
 CN 1H-Indole-3-octadecanol, 5-methoxy- (9CI) (CA INDEX NAME)

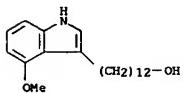


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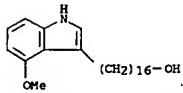
Karen Cheng

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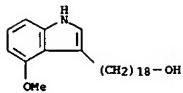
L12 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



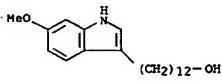
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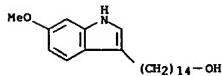
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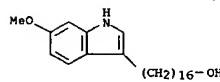
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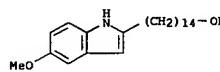
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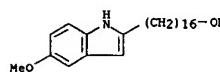
L12 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)  
RN 651331-40-7 CAPLUS  
CN 1H-Indole-3-hexadecanol, 6-methoxy- (9CI) (CA INDEX NAME)



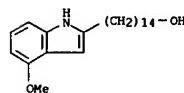
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CN 1H-Indole-2-tetradecanol, 5-methoxy- (9CI) (CA INDEX NAME)



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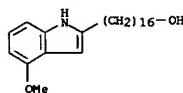


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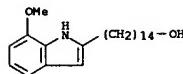


RN 651331-44-1 CAPLUS  
CN 1H-Indole-2-hexadecanol, 4-methoxy- (9CI) (CA INDEX NAME)

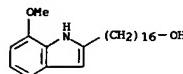
L12 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)



RN 651331-45-2 CAPLUS  
CN 1H-Indole-2-tetradecanol, 7-methoxy- (9CI) (CA INDEX NAME)



RN 651331-46-3 CAPLUS  
CN 1H-Indole-2-hexadecanol, 7-methoxy- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 78 THERE ARE 78 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

Karen Cheng